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Apr 15, 1977

DERWENT-ACC-NO: 1977-38194Y

DERWENT-WEEK: 197722

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TITLE: Storable liq. episulphide resins - from mixts. of epoxy resins and thiourea in solvent soln.

PATENT-ASSIGNEE:

ASSIGNEE

CODE

SIKA AG

SIKAN

PRIORITY-DATA: 1974CH-0002455 (February 21, 1974)

PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

PAGES

MAIN-IPC

CH 586732 A

April 15, 1977

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INT-CL (IPC): C07D 331/02; C08G 85/00; C08L 63/00; C08L 101/02

ABSTRACTED-PUB-NO: CH 586732A

BASIC-ABSTRACT:

Prepn. comprises reaction of a mixt. of epoxy resins in solvent with thiourea. Alternatively, different epoxy resins can be separately reacted and the episulphide resins obtd. can then be mixed.

Used as a component of hardenable resin compsns. partic. with polyamines- and as an accelerator for epoxy-polyamide resin mixts. used in the building industry. Prods. are practically odourless and have less tendency to gel than those obtd. using thiocyanates or Na thiosulphate.

In an example an episulphide resin prepd. from 48 g Bisphenol A type epoxy resin (epoxy value 0.56), 50 g same type of epoxy value 0.22 and 2 g of aliphatic diglycidyl ether of epoxy value 0.70 had a storage stability of 4 months at 20 degrees C and only slight odour.

TITLE-TERMS: STORAGE LIQUID EPISULPHIDE RESIN MIXTURE EPOXY RESIN THIOUREA SOLVENT SOLUTION

DERWENT-CLASS: A26

CPI-CODES: A05-A01D; A05-J05; A08-D;

Multipunch Codes: 010 02& 040 05- 141 199 220 221 226 231 250 273 299 311 336 341 359 400 475 525 527 532 536 546 613 720 724